

INTERNATIONAL SEARCH REPORT

International Application No

PCT/BE 03/00189

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/28 A61K39/395 C12N15/13 C07K19/00 A61P35/00
C07K16/18 G01N33/577

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/058033 A1 (BONNER JAMES ALAN ET AL) 16 May 2002 (2002-05-16) paragraph '0045! - paragraph '0095!	1-13, 17-45
Y	ARBABI GHAHROUDI M ET AL: "SELECTION AND IDENTIFICATION OF SINGLE DOMAIN ANTIBODY FRAGMENTS FROM CAMEL HEAVY-CHAIN ANTIBODIES" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 414, no. 3, 15 September 1997 (1997-09-15), pages 521-526, XP002069903 ISSN: 0014-5793 page 521, right-hand column, paragraphs 4,5 - page 522, left-hand column page 525, right-hand column, paragraph 3 ----- -/--	1-13, 17-45

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

7 July 2004

Date of mailing of the international search report

16/07/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/092892 A1 (HOWELL STEVEN ET AL) 15 May 2003 (2003-05-15) claims 1-10; example 3 -----	3-5
A	CORTEZ-RETAMOZO V ET AL: "Efficient tumor targeting by single-domain antibody fragments of camels" INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 98, no. 3, 20 March 2002 (2002-03-20), pages 456-462, XP002248403 ISSN: 0020-7136 page 457, left-hand column, paragraphs 3,4 -----	3-5
A	TANHA J ET AL: "Selection by phage display of llama conventional VH fragments with heavy chain antibody VHH properties" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER, AMSTERDAM, NL, vol. 263, no. 1-2, 1 May 2002 (2002-05-01), pages 97-109, XP004354388 ISSN: 0022-1759 the whole document -----	1-13, 17-45

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 14-16 (totally) and 18,19 and 33 (partially)

Present claims 14-16 (totally) and 18,19 and 33 (partially) relate to a compound defined by reference to a desirable characteristic or property, namely "that modulates the binding of the polypeptides of claims 1 to 9" or "that modulates EGFR-mediated disorders", such compounds being identified according to the method of claims 10-12.

The claims cover all compounds having this characteristic or property, whereas the application provides no support within the meaning of Article 6 PCT and no disclosure within the meaning of Article 5 PCT for such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the claimed scope impossible. Consequently, no search has been carried out for these claims.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 14-16 (totally) and 18,19 and 33 (partially)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002058033	A1	16-05-2002	US 2004071698 A1	15-04-2004
			AU 1165802 A	22-04-2002
			CA 2422881 A1	18-04-2002
			EP 1343820 A1	17-09-2003
			WO 0230984 A1	18-04-2002
US 2003092892	A1	15-05-2003	AU 2152299 A	24-05-1999
			BR 9813276 A	22-08-2000
			CN 1278300 T	27-12-2000
			WO 9923221 A2	14-05-1999
			EP 1027439 A2	16-08-2000
			AU 1550300 A	15-05-2000
			BR 9914829 A	10-07-2001
			CA 2348839 A1	04-05-2000
			WO 0024884 A2	04-05-2000
			EP 1002861 A1	24-05-2000
			EP 1127116 A2	29-08-2001